



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
PIEDMONT REGIONAL OFFICE

Molly Joseph Ward
Secretary of Natural Resources

4949A Cox Road, Glen Allen, Virginia 23060
(804) 527-5020 Fax (804) 527-5106
www.deq.virginia.gov

David K. Paylor
Director

Jeffery Steers
Regional Director

May 25, 2017

Mr. Drew Isenhour
Area President
Old Dominion Landfill
Republic Services, Inc.
BFI Waste Systems of Virginia, LLC
2001 Charles City Road
Richmond, Virginia 23231

Location: Henrico County
Registration No.: 51227
AIRS ID No.: 51-087-0209

Dear Mr. Isenhour:

Attached is a minor modification to your Title V permit to operate your municipal solid waste landfill pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution. This permit incorporates provisions from the minor NSR permit dated April 28, 2017.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In evaluating the application and arriving at a final decision to issue this permit, the Department deemed the application complete on March 23, 2017.

This approval to operate does not relieve BFI Waste Systems of Virginia, LLC (Old Dominion Landfill) of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

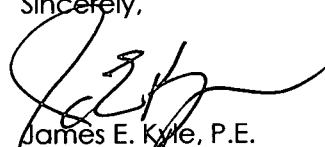
Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P.O. Box 1105
Richmond, Virginia 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please call the regional office at 804-527-5020.

Sincerely,



James E. Kyle, P.E.
Air Permit Manager

JEK/hll/ 51227TitleVPermitCoverLetter05252017.docx

Attachment: Permit

40 CFR 60 NSPS Subpart WWW
40 CFR 63 MACT Subpart AAAA
40 CFR 63 MACT Subpart ZZZZ
40 CFR 60 NSPS Subpart IIII

Ec: Manager, Data Analysis (electronic file submission)
Chief, Air Enforcement Branch, U.S. EPA, Region III (electronic file submission)



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Jeffery Steers
Regional Director

Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, § 10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:


Permittee Name:	Republic Services, Inc., BFI Waste Systems of Virginia, LLC
Facility Name:	Old Dominion Landfill
Facility Location:	2001 Charles City Road Henrico County, Virginia
Registration Number:	51227
Permit Number:	PRO-51227

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Pages 3 through 32)

Effective Date: April 15, 2015

Expiration Date: April 14, 2020


Kyle Ivar Winter, P.E.
Deputy Regional Director

Signature Date: May 25, 2017 (Minor Modification)

Table of Contents, 1 page
Permit Conditions, 30 pages

Table of Contents

Facility Information	3
Emission Units.....	4
Landfill Requirements - (Emission Unit # 01, 03, PCD-01, PCD-02 and EG-5)	5
Insignificant Emission Units.....	19
Compliance Certification and Schedule	20
Permit Shield & Inapplicable Requirements	20
General Conditions.....	22
State-Only Enforceable Requirements	33
Appendix A - Title V Annual Compliance Certification	
Appendix B - Prompt Deviation Report	
Appendix C - Semi-Annual Monitoring Report	
Appendix D - Failure to Monitor	
Appendix E - Annual Compliance Certification	

Facility Information

Permittee/Facility

Republic Services, Inc.,
BFI Waste Systems of Virginia, LLC
Old Dominion Landfill
2001 Charles City Rd
Richmond, VA 23231

Responsible Official

Mr. Drew Isenhour
Area President
828-695-2055

Facility Contact

Mr. Tim Torrez
Environmental Manager
804-749-3805

County Plant ID No.: 51-087-0209

Facility Description: NAICS Code 562212 – A municipal solid waste landfill (SIC Code: 4953).

The parent company Republic Services, Inc. owns the landfill operator BFI Waste Systems of Virginia, LLC (Hereafter referred to as Old Dominion Landfill facility) is located in Henrico County. This facility currently consists of a municipal solid waste landfill, gas collection and control system (GCCS) and leachate storage transfer/storage system associated with the landfill. The facility is a Title V major source of CO. This source is located in attainment area for all pollutants, and is a PSD minor source. This Title V minor modification for the Old Dominion Landfill facility does not require public participation or EPA comment. The minor modification application received on March 20, 2017 was deemed timely and administratively complete. Therefore, the Title V permit application shield is in place. The initial Title V permit was issued on December 21, 2001, a renewal on June 6, 2006 and last amended on September 24, 2009. Old Dominion Landfill began accepting solid waste at the landfill in May 1994 when the projected capacity of the facility was just 9.0 million cubic yards and 9.583 million mega-grams. The facility solid waste permit was recently modified on December 14, 2012 to increase the capacity of the landfill to 20.225 million cubic yards and 16.102 million mega-grams (minor modification corrected increase of 3.9%). Old Dominion Landfill operates the landfill in accordance with a minor new source review (NSR) air permit from the Department of Environmental Quality's Air Division (last updated on April 28, 2017), a storm water permit from the DEQ Water Division (permit VAR 540006 dated August 3, 1999) and a municipal solid waste permit from the DEQ Division of Waste (permit no. 553 initial dated April 22, 1993). An Initial Design Capacity Report was received from Old Dominion Landfill Facility on June 6, 1996. The GCCS Design Plan was submitted by the source on March 30, 2007 and the GCCS was installed in various stages since CY 2000. The latest GCCS Design Plan was approved on September 21, 2012. The initial [semi-]annual report was submitted on March 1, 2003. The two (2) John Zink 3,500 scfm open flares (PCD-1 and PCD-2) were initially permitted March 3, 2010 and last permitted on August 18, 2014. The currently installed flares, PCD-1 and PCD-2 initial performance testing consistent with the provisions of 40 CFR 60.8 and 60.18 was conducted and approved as follows:

	Testing Date	Test Report Received	Approved
PCD-1	March 6, 2009	March 30, 2009	August 10, 2009
PCD-2	April 4, 2011	May 19, 2011	October 24, 2011

* Installed flares met the operating and emission limitations of 40 CFR 60.18 during performance tests.

Old Dominion Landfill is a Title V (40 CFR 70) area source because it has the potential to emit less than 10 tons per year of any one hazardous air pollutant (HAP) and less than a total of 25 tons per year of all HAPs. Old Dominion Landfill is subject to Title V requirements through federal New Source Performance Standards (NSPS), 40 CFR 60 Subpart WWW (§§60.750) and reporting under 40 CFR 63, Subpart AAAA.

Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Process A						
01	L01 Fugitive And GCCS	Municipal Solid Waste Landfill – (16,102,707 Mega-grams) 20,225,000 cubic yards (HCL-3 excluded area under vertical expansion of ~ 32 acres of 20 year old existing MSW per 40 CFR 60.759(a)(3))	Flares and treated LFG use.	PCD-01 PCD-02	NMOC, VOC, and HAPs.	April 28, 2017
PCD-01	F01	Open Flare; John Zink, Inc. with a maximum flow rating of 3,500 scfm (NSPS)	None.	PCD-01	NMOC, VOC and HAPs.	April 28, 2017
PCD-02	F02	Open Flare; John Zink, Inc. with a maximum flow rating of 3,500 scfm (NSPS)	None.	PCD-02	NMOC, VOC and HAPs.	April 28, 2017
03	Fugitive	Vehicular Activity	Wet Suppression.	None.	PM, PM10, PM2.5.	April 28, 2017
EG-5		Emergency Diesel Generator (250 kW total 372 HP, Built 2008)	None.	None.	NOx, CO, SO2, PM, PM10, PM2.5, VOC	July 23, 2008 Exemption

Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01, PCD-02 and EG-5)

1. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01 and 03) - Limitations** The total design capacity of the municipal solid waste landfill, which includes Phases 1, 2, 3, 4, 5, 6, 7 and 8 is 20,225,000 cubic yards or 16,102,707 mega-grams. A change in the design capacity may require a State Air Pollution Control Board permit to construct and operate. (9 VAC 80-110 and Condition 2 of the NSR permit dated 04/28/2017)
2. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01, PCD-02 and EG-5) - Limitations** Once NMOC emissions exceed 50 Mg per year, the permittee shall operate the active landfill gas (LFG) collection and control system in the following manner:
 - a. Design the system to handle the maximum expected gas flow rate from Phases 1, 2, 3, 4, 5, 6, 7, and 8 which has been calculated to be 2,339,445,600 cubic feet per year, using the procedures listed in 40 CFR 60.755(a)(1). The maximum expected gas flow rate shall be recalculated when design capacity is increased or additional cells other than those listed are proposed for landfill expansion and the LFG system shall be redesigned to handle the maximum expected gas flow rate from the entire area of the landfill;
 - b. Collect gas from each area, cell or group of cells in which initial solid waste has been in place for a period of:
 1. 5 years or more if active;
 2. 2 years or more if closed or at final grade;
 - c. Collect gas at a sufficient extraction rate. Upon maturation of the landfill and full implementation of the gas collection system, the gas collection system shall meet the requirements of 40 CFR 60.753.
 - d. Operate each wellhead under negative pressure except as provided in 40 CFR 60.753 (b).
 - e. Operate each interior wellhead in the collection system such that it has a landfill gas temperature less than 55°C and has either a nitrogen content less than 20 percent, as determined by EPA Method 3C; or an oxygen content less than 5 percent, as determined by EPA Method 3A. The permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.
 - f. Design the system to minimize off-site migration of subsurface gas by installing liners meeting the requirements listed in 40 CFR 258.40 for Phases 1, 2, 3, 4, 5, 6, 7, and 8;
 - g. Route the collected landfill gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system is subject to the requirements listed in 40 CFR 60.752(b)(iii)(C); **OR**
 - h. Control landfill gas emissions by routing the collected landfill gas to the John Zink (or equal) open flares. The installation of the open flare must occur within 18 months of the approved schedule or this permit is invalidated. The open flare must meet the criteria in 40 CFR 60.18;

- i. Maintain the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

A change in the control system to those listed in items g, h and i may require a permit to modify and operate.

(9 VAC 80-110 and Condition 3 of the NSR permit dated 04/28/2017)

3. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** The John Zink (PCD-01 and PCD-02) open flares shall be subject to the following requirements listed in 40 CFR 60.18 and 40 CFR 60.756.

- a. A non-assisted flare type shall be installed.
- b. The net heating value for the landfill gas being combusted shall be 200 BTU/SCF or greater and determined according to methods listed in 40 CFR 60.18(f)(3) or other methods approved by EPA, Region III.
- c. The exit velocity shall be less than 60 FT/SEC except when the net heating value for the landfill gas is greater than 1,000 BTU/SCF **OR** the exit velocity is less than V_{MAX} and less than 400 FT/SEC. The exit velocity shall be determined using the applicable methods listed in 40 CFR 60.18 (f)(4) and 40 CFR 60.18(f)(5) or methods approved by EPA, Region III.
- d. A heat sensing device, such as an ultraviolet beam sensor or thermocouple, shall be installed at the open flare's pilot light or the flame itself to indicate the continuous presence of a flame.
- e. A gas flow-meter shall be installed, calibrated, and maintained to record the landfill gas flow to the open flares at minimum every 15 minutes.

(9 VAC 80-110 and Condition 4 of the NSR permit dated 04/28/2017)

4. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** The existing open flare and existing enclosed flare (operated for odor control purposes) shall be shutdown upon startup of the open flares (PCD-01 and PCD-02).

(9 VAC 80-110 and Condition 5 of the NSR permit dated 04/28/2017)

5. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** The two John Zink (PCD-01 and PCD-02) open flares shall each operate within the following parameters to ensure that the vendor-guaranteed carbon monoxide emission factor of 0.37 lb/MMBtu [, an enforceable limit] is met (except during startup and shut down):

- a. A landfill gas flow rate from 200 scfm (minimum) to 3500 scfm (maximum).
- b. A heat input of 115.5 MMBtu/hr, which shall be demonstrated using the procedures listed in Condition 17.
- c. A methane concentration in the landfill gas from 30% (minimum) to 70% (maximum).

(9 VAC 80-110 and Condition 6 of the NSR permit dated 04/28/2017)

6. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# 01 and 03) - Limitations Fugitive Dust/Emissions Limitations.** Unless otherwise specified, fugitive dust and emission controls shall include the following or equivalent as a minimum:
- a. Dust from grading, cell construction, waste compaction, application of daily cover, wood waste chipping operations, storage piles and traffic areas shall be controlled by wet suppression or equivalent control measures approved by the Director, Piedmont Region.
 - b. All material being stockpiled shall be kept moist to control dust during storage and handling, or shall be covered to minimize emissions, or shall be controlled by equivalent measures approved by the Director, Piedmont Region.
 - c. Dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.
 - d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.
- (9 VAC 80-110 and Condition 7 of the NSR permit dated 04/28/2017)
7. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Limitations** The permittee shall demonstrate compliance with operational standards for the landfill gas collection and control system required by Subpart WWW (40 CFR 60.753) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). The permittee shall demonstrate compliance with the landfill gas collection and control system requirements of Subpart WWW (40 CFR 60.752) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). All reports required to demonstrate compliance with the compliance requirements of Subpart WWW (40 CFR 60.755) shall be prepared and submitted to the Piedmont Regional Office as required by Subpart WWW (40 CFR 60.755).
(9 VAC 80-110 and Condition 8 of the NSR permit dated 08/18/2014)
8. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Limitations Gas Collection and Control Design Plan** – The permittee shall submit a revised gas collection and control system design plan that accounts for the added flare capacity as required by NSPS Subpart WWW (40 CFR 60.753). The facility shall submit for approval a revised gas collection and control system design plan for approval by DEQ staff, including all information required by 60.752 (b)(2)(i)(A), (B) and (C) by no later than December 31, 2014.
(9 VAC 80-110 and Condition 9 of the NSR permit dated 04/28/2017)
9. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Limitations** Except where this permit is more restrictive than the applicable requirements, the MSW landfill shall be constructed and operated in accordance with 40 CFR 60, NSPS Subpart WWW and 40 CFR 63, MACT Subpart AAAA.
(9 VAC 80-110 and Condition 10 of the NSR permit dated 04/28/2017)

10. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Limitations** The gas control shall be in operation at all times when the collected gas is routed to the system. The gas mover system shall be shut down and all valves in the collection and control system allowing atmospheric venting of landfill gases shall be closed within 1 hour if the collection or control system is inoperable.
 (9 VAC 80-110 and Condition 11 of the NSR permit dated 04/28/2017)

11. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** The approved fuel for the John Zink (PCD-01 and PCD-02) open flares is landfill gas. Each flare may also use propane gas or natural gas to ignite the pilot flame in each flare. A change in fuel may require a permit to modify and operate.
 (9 VAC 80-110 and Condition 12 of the NSR permit dated 04/28/2017)

12. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** The John Zink (PCD-01 and PCD-02) open flares shall consume no more than 2,365,200,000 cubic feet of landfill gas combined per year, calculated monthly as the sum of each consecutive 12 month period.
 (9 VAC 80-110 and Condition 13 of the NSR permit dated 04/28/2017)

13. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01, PCD-02) - Limitations** The John Zink (PCD-01 and PCD-02) open flares shall be operated with no visible emissions, as determined by EPA Method 22, except for periods not to exceed a total of 5 minutes during two consecutive hours. At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions.
 (9 VAC 80-110 and Condition 14 of the NSR permit dated 04/28/2017)

14. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** Emissions from each of the 3,500 scfm John Zink (PCD-01 and PCD-02) open flares shall not exceed the limits specified below:

Particulate Matter/PM ₁₀ / PM _{2.5}	1.9 lbs/hr	8.4 tons/yr (9 VAC 5-50-260)
Sulfur Dioxide	1.8 lbs/hr	7.7 tons/yr (9 VAC 5-50-260)
Nitrogen Oxides	7.9 lbs/hr	34.4 tons/yr (9 VAC 5-50-260)
Carbon Monoxide	42.7 lbs/hr	187.2 tons/yr (9 VAC 5-50-260)
Non-Methane Organic Compounds	0.2 lbs/hr	1.1 tons/yr (9 VAC 5-50-260)
Volatile Organic Compounds	0.2 lbs/hr	1.0 tons/yr (9 VAC 5-50-260)

Emission limits are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 1, 3, 5, 14, and 15.
(9 VAC 5-80-110 and Condition 15 of the NSR permit dated 04/28/2017)

15. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Limitations** Emissions combined from the operation of the two (2) 3,500 scfm John Zink (PCD-01 and PCD-02) open flares and up to four (4) solar flares (SF1-SF4) shall not exceed the limits specified below:

Particulate Matter/PM ₁₀ / PM _{2.5}	11.3 tons/yr (9 VAC 5-50-260)
Sulfur Dioxide	10.4 tons/yr (9 VAC 5-50-260)
Nitrogen Oxides	45.3 tons/yr (9 VAC 5-50-260)
Carbon Monoxide	245.1 tons/yr (9 VAC 5-50-260)
Non-Methane Organic Compounds	1.4 tons/yr (9 VAC 5-50-260)
Volatile Organic Compounds	1.4 tons/yr (9 VAC 5-50-260)

Emission limits are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 1, 3, 5, 14, and 15.
(9 VAC 5-50-260 and Condition 16 of the NSR permit dated 04/28/2017)

16. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Testing** After the installation of a gas collection and control system in compliance with 40 CFR 60.755, the permittee shall determine the actual NMOC concentration and LFG flow rate and shall calculate the NMOC emission rate in accordance with 40 CFR 60.754 (b) for reporting the uncontrolled NMOC emission rate for when the GCCS can be removed.
(9 VAC 5-80-110, Subpart WWW §60.754(a) and Condition 17 of the NSR permit dated 04/28/2017)

17. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Testing** The performance tests shall be conducted to determine the net heating value of the gas being combusted and the actual exit velocity for each of the John Zink (PCD-01 and PCD-02) open flares. The tests for the open flares shall be performed, and demonstrate compliance, within 60 days after achieving maximum production rate at which the flare will be operated but no later than 180 days after initial start-up of each open flare. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30 and 9 VAC 5-60-30 of State Regulations. The test methods and procedures contained in 40 CFR 60.18(f)(3) and 40 CFR 60.18(f)(4) shall be used to determine the net heating value of the gas being combusted and the actual exit velocity for each open flare. The details of the test are to be arranged with the Director, Piedmont Regional Office. The permittee shall submit a test protocol at least thirty (30) days prior to testing for the open flare. Two (2) copies of the test results for the open flare shall be submitted to the Director, Piedmont Regional Office within 45 days after test completion and 180 days after initial startup for the open flare. The test report shall conform to the test report format enclosed with this permit and shall be submitted with the annual compliance report specified in Condition 27.
(9 VAC 5-80-110, Subpart WWW §60.757 and Condition 18 of the NSR permit dated 04/28/2017)
18. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Testing** Concurrently with the performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 22, shall also be conducted by the permittee on the John Zink (PCD-01 and PCD-02) open flares. Each observation period shall be 2 hours. The details of the tests are to be arranged with Director, Piedmont Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed within 60 days after achieving the maximum production rate at which the open flare will be operated but no later than 180 days after initial start up of each open flare. Should conditions prevent observations, the Director, Piedmont Regional Office shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. Two copies of the test result shall be submitted to the Director, Piedmont Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-80-110, Subpart WWW §60.757 and Condition 19 of the NSR permit dated 04/28/2017)
19. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Testing** The permittee shall perform a weekly visual evaluation of the open flares, for compliance with the opacity limit expressed in Condition 13. If such periodic evaluations indicate any visible emissions, the permittee shall take appropriate action, immediately, to return the unit to normal operation such that no visible emissions exist. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 22 (reference 40 CFR, Appendix A). If a Method 22 evaluation and/or corrective action becomes necessary, the permittee shall record the details of the incident in a logbook. The logbook shall be kept on site and available for inspection by the DEQ for the most recent five year period. If visible emission inspections conducted during twelve consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.
(9 VAC 5-80-110 and Condition 20 of the NSR permit dated 04/28/2017)

20. **Landfill Fuel Burning Equipment and Process Requirements – Emergency Generator (Emission Unit ID# EG-5) - Federal Requirements** – Except where this permit is more restrictive than the applicable requirement, the emergency diesel generator (EG-5) is subject to 40 CFR 63 Subpart ZZZZ and is subject to applicable requirement under 40 CFR 60 NSPS Subpart IIII. The facility shall notify the Administrator of the installation or replacement or modification of any diesel engine on site. This may result in the applicability of additional requirements under 40 CFR 60 NSPS Subpart IIII or NSPS Subpart JJJJ and/or 40 CFR 63 MACT Subpart ZZZZ.
(9 VAC 5-80-110 and FR 63.6590)
21. **Landfill Fuel Burning Equipment and Process Requirements – Emergency Generator (Emission Unit ID# EG-5) - Federal Requirements** – Except where this permit is more restrictive than the applicable requirement, the emergency diesel generator (EG-5) is subject to the emission standards of 40 CFR 60, NSPS Subpart IIII (40 CFR §60.4200 through §60.4212). The emission standards required by 40 CFR §60.4200(a)(2), §60.4202(a)(2), and §60.4205(b) and certification from the manufacturer shall be based on requirements in 40 CFR §89.112 and 40 CFR §89.113. The emergency diesel generator shall meet the emission standards over the life of the engine per 40 CFR §60.4206. The fuel requirements found in 40 CFR §60.4207 and §80.510 to burn ultra low sulfur diesel fuel apply, except the engine may burn existing fuel stocks per 40 CFR §60.4207(b). As per the requirement of 40 CFR §60.4209, a non-resettable hour meter shall be installed on the unit and shall meet the monitoring requirements of 40 CFR §60.4209 that apply. Compliance requirements as per 40 CFR §60.4211 shall be met including emergency stationary ICE operational requirements found in 40 CFR §60.4211(a)&(c) and specifically §60.4211(f). The emergency stationary engine must be installed and configured according to the manufacturer's specifications. Emissions shall be controlled by the use of good operating practices and performing appropriate maintenance in accordance with the manufacturer recommendations. The permittee shall operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of §60.4211. The permittee shall keep records supporting the requirements of 40 CFR 60, NSPS Subpart IIII (40 CFR §60.4200 through §60.4212). If the emergency diesel generator is modified and/or needs performance testing for any reason, the requirements in 40 CFR §60.4212 shall apply. The general provisions found in Table 8 to Subpart IIII of Part 60 shall apply as noted.
(9 VAC 5-80-110 and 40 CFR 60.4200)
22. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Monitoring** Once actual NMOC emissions exceed 50 Mg and a GCCS has been installed per Condition 2, the operation of the gas collection system shall be monitored as follows:
- a. The following items shall be monitored each month:
 1. Gauge pressure, each well.
 2. LFG temperature, each well.
 3. Nitrogen concentration or oxygen concentration, each well.
 4. Cover integrity.
 - b. The methane concentration at the landfill surface shall be monitored at least once every quarter. Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

23. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Monitoring** The operation of the gas control system shall be monitored as follows:
- a. Landfill gas flow, recorded at least once every 15 minutes for each flare.
 - b. The presence of the pilot flame or the flare flame shall be continuously monitored by a heat sensing device and recorded for the John Zink (PCD-01 and PCD-02) open flare when landfill gas is being vented to the open flare.
- (9 VAC 5-80-110 and Condition 22 of the NSR permit dated 04/28/2017)
24. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Monitoring** If monitoring demonstrates that the requirements of Conditions 4 (c), (d), (e), (f), (g), (h), or (i) are not being met, corrective actions shall be taken as specified in 40 CFR 60.755 (a) (3) through (5) or 40 CFR 60.755 (c). If corrective actions are taken as specified in 40 CFR 60.755(c)(4), the monitored exceedance for the surface methane operational standard is not a violation of the operational requirements of this permit or 40 CFR 60, Subpart WWW.
(9 VAC 5-80-110 and Condition 23 of the NSR permit dated 04/28/2017)
25. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Monitoring** All monitoring equipment required to comply with Subpart WWW (subsection 60.756) shall be installed and operational by 180 days of the date of initial operation of the landfill gas collection and control system. Performance evaluation of the monitoring equipment shall take place during the initial performance test under Subpart WWW (40 CFR 60.752 and 40 CFR 60.754) or within 30 days thereafter. Two copies of the performance evaluation report shall be submitted to the Piedmont Regional Office within 45 days of the initial performance evaluation. Verification of satisfactory operation of monitoring equipment shall, at a minimum, include certification that manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices have been followed.
(9 VAC 5-80-110 and Condition 24 of the NSR permit dated 04/28/2017)
26. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Monitoring** The landfill gas collection and control system shall be monitored and all appropriate data recorded as required in Subpart WWW (Subsection 60.756) and Subpart AAAA (Subsection 63.1930).
(9 VAC 5-50-40, 9 VAC 5-50-410 and Condition 25 of the NSR permit dated 04/28/2017)

27. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) – Onsite Record Keeping** The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Regional Office. These records shall include, but are not limited to:

- a. Current maximum design capacity, current amount of refuse in place, and year by year refuse accumulation rates.
- b. Description, location, amount, and placement date of all non-degradable refuse including asbestos, demolition-refuse, and coal ash placed in landfill areas that are excluded from landfill gas estimation or landfill gas collection and control.
- c. The yearly throughput of landfill gas to the John Zink or equal open flares, calculated monthly as the sum of each consecutive 12 month period.
- d. Date of first waste placement for Phases 1, 2, 3, 4, 5, 6, 7, and 8.
- e. Calculations detailing the estimated annual site specific density and maximum design capacity.

If a landfill gas collection and control system for NSPS compliance has been installed:

- f. Installation date and location of all newly installed wells, horizontal gas collectors, and surface gas collectors.
- g. Map or plot showing each existing and planned well, horizontal gas collector, and surface collector in the gas collection system with each well and collector uniquely identified.
- h. Maximum expected gas generation flow rate calculated according to 40 CFR 60.755(a)(1).
- i. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures listed in 40 CFR 60.759(a)(1).
- j. The type of open flare (i.e. steam-assisted, air-assisted, or non-assisted) used, all visible emission readings, the heat content determination, gas flow rate measurements, and exit velocity determinations made during the required performance tests listed in Condition 21 for the John Zink open flares.
- k. The flare pilot flame or flare flame continuous monitoring in each flare stack for the open flare.
- l. All periods of operations when landfill gas is being vented to the open flare during which the pilot flame or flare flame is absent for the open flare.
- m. The monthly monitored gauge pressure, temperature, and nitrogen or oxygen concentration for each well.

- n. The results from the monthly cover integrity monitoring and the date of cover repair.
- o. The quarterly monitored methane concentration at the landfill surface and the surface monitoring plan developed for the quarterly monitoring which includes a topographic map with the monitoring route at 30 meter intervals and the rationale for any site-specific deviations from the required intervals.
- p. The landfill gas flow, recorded at least once every 15 minutes for the John Zink (PCD-01 and PCD-02) open flares.
- q. All exceedances for the monitoring requirements listed in Conditions 2 and 22, the results from any subsequent readings of an exceedance parameter, the location of the exceedance, and the action taken to correct the exceedance.
- r. All decommissioned wells and supporting documentation to show the reason for decommissioning each well.
- s. Any inoperable periods exceeding 1 hour for the collection or control system.
- t. A copy of the most recent approved gas collection and control system design plan.
- u. A copy of the manufacturer's specifications listing the maximum capacity for the solar flares on-site.

These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110 and Condition 26 of the NSR permit dated 04/28/2017)

28. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Reporting** If required under Conditions 3 and 23, the permittee shall submit, within 180 days of the startup of the LFG collection and control system, an initial compliance report containing, at a minimum, the following:

- a. A diagram of the collection system showing all wells, horizontal collectors, or other gas extraction devices, any areas excluded from gas collection and proposed sites for future collection system expansion;
- b. The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;
- c. The documentation of the presence of asbestos or non-degradable material from each area from which collection wells have been excluded based on the presence of asbestos or non-degradable material.
- d. The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on non-productivity and the calculations of the gas generation flow rate for each excluded area;

- e. The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill;
- f. The provisions for the control of off-site migration;
- g. For enclosed combustion devices:
 - (i) Average combustion temperature, measured at least once every fifteen minutes and averaged over the duration of the performance test.
 - (ii) Percent reduction of NMOC emissions by the control device, and supporting test documentation.
 - (iii) All visible emissions readings.

This report shall be submitted after installation of the gas collection and control system required by Condition 3.

(9 VAC 80-110 and Condition 27 of the NSR permit dated 04/28/2017)

29. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Reporting** The first annual compliance report shall be submitted within 180 days of start-up of the collection and control system and shall contain the following:

- a. The initial compliance report required by Condition 25.
- b. Value and length of time for exceedance of applicable parameters monitored under 60.756(a), (b), (c), and (d).
- c. Description and duration of all periods when the control device was not working for a period exceeding 1 hour and length of time control device was not operating.
- d. All periods when the collection system was not operating in excess of 5 days.
- e. The location of each exceedance of the 500 parts per million surface methane concentrations, and the concentration recorded at each location for which an exceedance was recorded as provided in 60.755(c).
- f. The date of installation and the location of each well or collection system expansion added pursuant to paragraph (a)(3), (b), and (c)(4) of 60.755.

Items (b) through (f) shall be submitted annually. The second annual report shall cover the period from the initial annual report to the end of the calendar year. Subsequent annual reports shall cover the calendar year. The second and all subsequent annual reports shall be submitted by March 1 of the following calendar year.

(9 VAC 5-80-110 and Condition 28 of the NSR permit dated 04/28/2017)

30. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Reporting** The permittee shall submit a closure report to the Director, Piedmont Regional Office within 30 days of the date the MSW landfill stopped accepting waste as required by 40 CFR 60 Subpart WWW.

- a. The equipment removal report shall contain all of the following items:
 - (i) A copy of the closure report submitted in accordance with 40 CFR 60.757(d);
 - (ii) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and
 - (iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.
- b. The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR 60.752(b)(2)(v) below have been met. The collection and control system may be capped or removed provided that all the conditions of paragraphs 40 CFR 60.752(b)(2)(v) (A), (B), and (C) are met:
- c. The landfill shall be a closed landfill as defined in 40 CFR 60.751. A closure report shall be submitted to the Administrator as provided in 40 CFR 60.757(d);
- d. The collection and control system shall have been in operation a minimum of 15 years; and
- e. Following the procedures specified in 40 CFR 60.754(b), the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

DEQ may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 9 VAC 20-80-250 E & F and 40 CFR 258.60. If a closure report has been submitted to the DEQ, no additional wastes may be placed into the landfill without filing a notification of modification.

(9 VAC 5-80-110, 60.752(b)(2)(v), 40 CFR 60.757(d - e) and Condition 29 of the NSR permit dated 04/28/2017)

31. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01, PCD-02 and EG-5) - Reporting** The permittee shall submit an equipment removal report to the Director, Piedmont Regional Office 30 days prior to the removal or cessation of operation of the control equipment.
(9 VAC 5-80-110 and Condition 30 of the NSR permit dated 04/28/2017)

32. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01, PCD-02 and EG-5) - Reporting for Fee Calculation** - The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the department.
(9 VAC 5-80-340(C) and Condition 31 of the NSR permit dated 04/28/2017)

33. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01, PCD-02 and EG-5) - Reporting** The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using the appropriate methods. Test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110 and Condition 32 of the NSR permit dated 04/28/2017)
34. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# PCD-01 and PCD-02) - Notifications** The permittee shall furnish written notification to the Director, Piedmont Regional Office:
- a. The actual date on which construction of each of the John Zink open flares commenced within 30 days after such date.
 - b. The anticipated start-up date of each of the John Zink open flares postmarked not more than 60 days nor less than 5 days prior to such date.
 - c. The actual start-up date of each of the John Zink open flares no later than 15 days after the actual date.
 - d. The anticipated date for conducting performance tests required by Conditions 16, 17 and 18 at least 30 days prior to such date.

One copy shall also be submitted to EPA in electronic format only. Notification referenced in items a through d above should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9 VAC 5-80-110 and Condition 33 of the NSR permit dated 04/28/2017)

Facility Wide Conditions

35. **Landfill Fuel Burning and Process Equipment Requirements - (Emission Unit ID# L01, 03, PCD-01 and PCD-02) - Facility Wide Limitations** The Landfill 'MACT' (40 CFR 63 Subpart AAAAA), published January 16, 2003, includes the following additional requirements for affected MSW landfills.
- a. Those affected sources defined as 'existing landfills' shall be in compliance with the specific items included in 40 CFR Part 63, Subpart AAAAA by January 16, 2004.
 - b. A "Startup, shutdown and malfunction" (SSM) Plan shall be developed and implemented for the facility. A copy shall be available on site for inspection by the DEQ and shall contain all revisions for the most recent five (5) years. (40 CFR 63.6(e)(3) and 40 CFR 63.1960)
 - c. Annual reports of the operation of the GCCS, as required by the NSPS, Subpart 60.757(f), will be required semi-annually beginning with the first report after the compliance date of January 16, 2004. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. (40 CFR 63.1980)

d. Semiannual reports are required by 40 CFR 63, Subpart AAAA and 40 CFR 63.10(d)(5). The time periods to be addressed are January 1 to June 30 and July 1 to December 31. SSM Reports shall be submitted on March 1 and September 1 of each calendar year. The SSM plan should include the following:

1. Each SSM event and a description of how thorough the facility complied with each item contained in the SSM Plan.
2. Inconsistent actions taken by the facility during an SSM event must be recorded within two working days of the event and a letter must be submitted to the Administrator within seven days of the event.
3. Any new actions that are indicated as appropriate during an SSM event shall be incorporated in a new SSM Plan.
4. Any revisions to the SSM Plan for the period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, 40 CFR 63.1930 - 63.1990 and Condition 34 of the NSR permit dated 04/28/2017)

Insignificant Emission Unit Inventory List

36. The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
02A	Leachate Fixed Roof Storage Tank A	5-80-720 B 2	VOC, NMOC	516 cubic meters
02B	Leachate Fixed Roof Storage Tank B	5-80-720 B 2	VOC, NMOC	516 cubic meters
T-1	New and Used Fuel Oil Storage Tank	5-80-720 B 2	VOC	250 gallons
T-2	New and Used Fuel Oil Storage Tank	5-80-720 B 2	VOC	250 gallons
T-3	New and Used Fuel Oil Storage Tank	5-80-720 B 2	VOC	250 gallons
T-4	New and Used Fuel Oil Storage Tank	5-80-720 B 2	VOC	250 gallons
T-5	New and Used Hydraulic Fluid Storage Tank	5-80-720 B 2	VOC	250 gallons
T-6	New and Used Hydraulic Fluid Storage Tank	5-80-720 B 2	VOC	250 gallons
T-7	New and Used Hydraulic Fluid Storage Tank	5-80-720 B 2	VOC	250 gallons
T-8	New and Used Hydraulic Fluid Storage Tank	5-80-720 B 2	VOC	250 gallons
T-9	Mobile Diesel Fuel Tanker	5-80-720 B 2	VOC	500 gallons
T-10	Mobile Diesel Fuel Tanker	5-80-720 B 2	VOC	500 gallons
T-11	Miscellaneous 55 gallon Drums (new oil, hydraulic fluid, grease and anti-freeze)	5-80-720 B 2	VOC	55 gallons (several)
EG 1-4	Mobile Diesel/Gasoline Portable Electric Generators (2-10 kW)	5-80-720 B 2	NOx, CO, SO2, PM, PM10, PM2.5, VOC	40 kW total
EP 1-4	Mobile Diesel/Gasoline Portable Pumps (2-10 kW)	5-80-720 B 2	NOx, CO, SO2, PM, PM10, PM2.5, VOC	40 kW total
EL 1-4	Mobile Diesel/Gasoline Portable Lighting (2-10 kW)	5-80-720 B 2	NOx, CO, SO2, PM, PM10, PM2.5, VOC	40 kW total
SF-1 – SF-4*	Up to four (4) Solar Flares	5-80-720 B 2	NOx, CO, SO2, PM, PM10, PM2.5, VOC	6.0 million Btu/hr =<200 scfm Total

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, record keeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110[, except those listed units that are both identified as insignificant units and have applicable requirements.*]

Compliance Certification and Schedule

37. The permittee has certified that this facility is in compliance with all state and federal regulations. No compliance schedule has been included with this permit.

Permit Shield & Inapplicable Requirements

38. Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements that have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
9 VAC 5-40-5800 and 40 CFR 60 subpart Cc	Emission Standards and Emission Guidelines for Sanitary Landfills	These regulations only apply to municipal solid waste landfills which commenced construction, reconstruction or modification before May 30 1991.
40 CFR 64	Compliance Assurance Monitoring	Generally, the requirements of Compliance Assurance Monitoring (CAM) for landfills do not apply because 40 CFR 64.2(b) "Exemptions—(1) Exempt emission limitations or standards. The requirements of this part shall not apply to any of the following emission limitations or standards: (i) Emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act." Since the landfill facility is subject to the requirements of NSPS Subpart WWW and MACT AAAA, CAM does not apply.
40 CFR 75	Acid Rain Regulations	This landfill does not have a "Qualifying Facility."
40 CFR Parts 51,52,70 and 71	Title V Greenhouse Gas Tailoring Rule,	Title V Greenhouse Gas Tailoring Rule, 40 CFR Parts 51, 52, 70 and 71, does not apply to the facility as it is an existing PSD source not currently subject to PSD modification for any pollutant.

Citation	Title of Citation	Description of Applicability
9 VAC 5-40-20 A.4	Startup, shut down, and malfunction opacity exclusion	The startup, shut down, and malfunction opacity exclusion listed in 9 VAC 5-40-20 A.4 cannot be included in any Title V permit. This portion of the regulation is not part of the federally approved state implementation plan. The opacity standard applies to existing sources at all times including startup, shutdown, and malfunction. Opacity exceedances during malfunction can be affirmatively defended provided all requirements of the affirmative defense section of this permit are met. Opacity exceedances during startup and shut down will be reviewed with enforcement discretion using the requirements of 9 VAC 5-40-20 E, which state that "At all times, including periods of startup, shutdown, soot blowing and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions."

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

Future Applicable Requirements

39. All applicable requirements for NSPS Subpart WWW landfills are contained in the permit at this time. However, it must be recognized that amendments have been proposed to this subpart and that future promulgation of these amendments to the regulations may impact this operating permit.

(9 VAC 5-80-110)

General Conditions

40. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)
41. **General Conditions - Permit Expiration**- This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)
42. **General Conditions - Permit Expiration**-The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)
43. **General Conditions - Permit Expiration**-If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)
44. **General Conditions - Permit Expiration**-No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)
45. **General Conditions - Permit Expiration**-If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

46. **General Conditions - Permit Expiration**-The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

47. **General Conditions - Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

- a) The date, place as defined in the permit, and time of sampling or measurements.
- b) The date(s) analyses were performed.
- c) The company or entity that performed the analyses.
- d) The analytical techniques or methods used.
- e) The results of such analyses.
- f) The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

48. **General Conditions - Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

49. **General Conditions - Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a) The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
- b) All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
 - (1) Exceedance of emissions limitations or operational restrictions;

- (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
- (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- c) If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

50. **General Conditions - Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
- a) The time period included in the certification. The time period to be addressed is January 1 to December 31.
 - b) The identification of each term or condition of the permit that is the basis of the certification.
 - c) The compliance status.
 - d) Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
 - e) Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
 - f) Such other facts as the permit may require to determine the compliance status of the source.

- g) One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9 VAC 5-80-110 K.5)

51. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Director, Piedmont Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 49 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

52. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Piedmont Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Piedmont Regional Office.'

(9 VAC 5-20-180 C)

53. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

54. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
- (9 VAC 5-80-110 G.2)
55. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (9 VAC 5-80-110 G.3)
56. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
- (9 VAC 5-80-190 and 9 VAC 5-80-260)
57. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
- (9 VAC 5-80-110 G.5)
58. **General Conditions - Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
- (9 VAC 5-80-110 G.6)
59. **General Conditions - Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
- (9 VAC 5-80-110 K.1)

60. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9 VAC 5-80-2310 through 9 VAC 5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9 VAC 5-80-2340, adjusted annually by the change in the Consumer Price Index.
- (9 VAC 5-80-110 H, 9 VAC 5-80-340 C and 9 VAC 5-80-2340 B)

61. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a) Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
 - b) Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
 - c) Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
 - d) Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
 - e) The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

62. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E)

63. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

64. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a) Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
 - b) Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
 - c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
 - d) Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

65. **General Conditions - Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:
- a) The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 - b) The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
 - c) The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.
- (9 VAC 5-80-110 L)
66. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
- (9 VAC 5-80-150 E)
67. **General Conditions - Transfer of Permits** - No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
- (9 VAC 5-80-160)
68. **General Conditions - Transfer of Permits** - In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
- (9 VAC 5-80-160)
69. **General Conditions - Transfer of Permits** - In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
- (9 VAC 5-80-160)

70. **General Conditions - Malfunction as an Affirmative Defense** - A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of the following condition are met.
- (9 VAC 5-80-250)
71. **General Conditions - Malfunction as an Affirmative Defense** - The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
- a) A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
 - b) The permitted facility was at the time being properly operated.
 - c) During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
 - d) The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.
- (9 VAC 5-80-250)
72. **General Conditions - Malfunction as an Affirmative Defense** - In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.
- (9 VAC 5-80-250)
73. **General Conditions - Malfunction as an Affirmative Defense** - The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.
- (9 VAC 5-80-250)

74. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
- (9 VAC 5-80-190 C and 9 VAC 5-80-260)
75. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
- (9 VAC 5-80-80 E)
76. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
- (40 CFR Part 82, Subparts A-F)
77. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
- (9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)
78. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
- (40 CFR Part 68)
79. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
- (9 VAC 5-80-110 I)

80. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a) All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
 - b) The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
 - c) The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

STATE ONLY REQUIREMENTS

81. **Odor Management Plan:** The Odor Management Plan shall incorporate the use of best available odor control technology that is appropriate for this landfill. The plan shall also describe procedures that will be implemented in response to citizen odor complaints or the detection of significant off-site odors by DEQ staff, including progressive steps that will be taken to reduce odors. A log of all odor complaints received and actions taken shall be kept and made available for inspection by authorized Federal, State or Local officials. A copy of the log entries for each semi-annual period (January-June and July-December) shall be sent to the Director, Piedmont Regional Office, with the Title V semi-annual report. The Odor Management Plan shall be reviewed annually by the permittee and evaluated for the need and feasibility of new or modified odor control technology or practices. The results of this review and a modified plan (if applicable) shall be submitted to the Director, DEQ Piedmont Regional Office, by March 1st of each year with the other 40 CFR 60 NSPS Subpart WWW and 40 CFR 63 NESHAP Subpart AAAA reports.
(9 VAC 5-50-410, 9 VAC 5-50-260 and Condition 43 of the NSR permit dated 04/28/2017)

Appendix A - Title V Annual Compliance Certification

To: **Air Compliance Manager**
 Department of Environmental Quality – Piedmont Regional Office
 4949-A Cox Road
 Glen Allen, VA 23060

From: **(Facility Name)**

Registration No. _____

Re: TITLE V ANNUAL COMPLIANCE CERTIFICATION

Date:

 Please find attached our Title V Annual Compliance Certification for the period from
____/____/____ to ____/____/____. It identifies each term or condition of the permit that is the basis of
the certification. All deviations and periods of non-compliance for the period have been addressed in
semi-annual monitoring reports that have either been previously submitted or are enclosed.

Certification: I certify under penalty of law that this document and all attachments were prepared under
my direction or supervision in accordance with a system designed to assure that qualified personnel
properly gather and evaluate the information submitted. Based on my inquiry of the person or persons
who manage the system, or those persons directly responsible for gathering and evaluating the
information, the information submitted is, to the best of my knowledge and belief, true, accurate, and
complete. I am aware that there are significant penalties for submitting false information, including the
possibility of fine and imprisonment for knowing violations.

(Signature)

(Name & Title)

cc: Director, Air and Waste Division (Mail drop 3AP00)
United States Environmental Protection Agency -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(Annual Compliance Certifications are due 60 days following end of reporting period.)

Appendix B - Prompt Deviation Report

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From:

(Facility Name)
Reg. No. _____

Re: PROMPT DEVIATION REPORT – Pursuant to Title V Permit

Date:

This confirms the deviation reported to the Regional Office at _____ o'clock on ____/____/____.
The details are described below. The deviation may have caused excess emissions for more than one hour, consistent with specified averaging times. None of these deviations were related to a malfunction.

Start date & time:	End date & time:	Estimated Duration:
Deviation from which permit condition (condition number and brief description):		
Description of incident (including emission unit affected):		
Description of Monitoring Requirement for affected unit(s):		
Probable cause:		
Description of corrective measures taken (demonstrating a timely & appropriate response):		
Description of preventive measures taken:		

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature)

(Name & Title)

Appendix C - Semi-Annual Monitoring Report

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: (Facility Name)

Reg. No. _____

Re: SEMI-ANNUAL MONITORING REPORT – Pursuant to Title V Permit

Date:

The following monitoring report is submitted as required by our Title V permit. For the purposes of this report, deviation means (1) exceedances of emission limits, as determined by such means as stack testing, continuous emission monitors, parametric monitoring and EPA Method 9 visible emission evaluations; (2) excursions from control device operating parameter requirements such as afterburner temperature, scrubber flow rate, baghouse pressure drop; (3) excursions from operational restrictions things such as throughput, fuel quality, and coating VOC and HAP content; and (4) failure to meet monitoring, record keeping or reporting requirements. The report addresses all data points, which are above a standard, limit etc, according to the averaging period, if any, specified in the permit. If no averaging period is specified in the permit, then any monitored reading is considered a deviation to be reported. Deviations are reported regardless of whether they may have caused excess emissions or whether they were the result of a malfunction.

The period covered by the report is from ____/____/____ to ____/____/____.

During the reporting period:

☐ No deviations from permit requirements occurred during this semi-annual reporting period. (We conducted all required monitoring and associated record keeping and reporting. Required monitoring revealed no deviations from permit requirements.)

☐ We failed to conduct required monitoring/record keeping/reporting as explained on the attached form.

☐ We identified deviations as a result of required monitoring:

☐ Deviations were addressed in CEM Excess Emission Report(s) dated: _____

☐ Deviations were addressed in Fuel Report(s) dated: _____

☐ Deviations were addressed in MACT Report(s) dated: _____

☐ Deviations due to malfunctions were addressed in letters dated: _____

☐ Deviations were addressed in other report(s) dated: _____

Type of report: _____

☐ Deviations were previously described in Prompt Deviation Reports dated: _____

☐ "Other" deviations, which were not previously reported, are described in the attachment.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature)

(Name & Title)

Appendix D – Failure to Monitor
FAILURE TO MONITOR, KEEP RECORDS OR REPORT Registration No. _____
Submitted as Part of Semi-Annual Monitoring Report

[illegible]

Appendix E - Annual Compliance Certification

Annual Compliance Certification

Registration No. _____

Page _____ of _____

"OTHER" DEVIATIONS

Submitted as Part of Semi-Annual Monitoring Report

Registration No. _____

Page _____ of _____

Condition No. & Description of Requirement	Description of Deviation (time; emission unit, description of event, cause)	Description of Associated Monitoring Requirement	Description of corrective measures taken (demonstrating a timely & appropriate response)

(Report deviations which may have caused excess emissions for more than one hour on a deviation report form, not here.)

Appendix E - Annual Compliance Certification

Annual Compliance Certification

Registration No. _____

Page _____ of _____

Cond. No.	TERMS & CONDITIONS CONTAINED IN THE PERMIT (list in order)	MEANS OF DETERMINING COMPLIANCE STATUS	TYPE OF DATA THE MEANS PROVIDES	PERIODS OF NON- COMPLIANCE
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No